GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:3471
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TECHNOLOGY UPGRADATION IN ENERGY SECTOR
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Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether the Government proposes to introduce a new green technology with a view to reduce green house gas emissions and upgrade energy sector in the country;

(b) if so, the details thereof;

(c) the fund proposed to be incurred thereon during the Eleventh Plan period; and

(d) the manner in which the energy sector is likely to be benefited from new technology?

Answer

MINISTER OF THE STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR)

(a),(b),(c)&(d) : The Ministry of New and Renewable Energy has been implementing a broad based programme covering research, development, demonstration and utilization of various renewable energy sources like bio-energy, solar energy, wind energy, small hydro and other emerging renewable sources of energy for more than two decades. The renewable sources of energy are 'green' as they are either carbon neutral or carbon free. Technologies for utilization of some of the renewable energy sources like bio energy, solar energy, wind energy and small hydro have nearly matured and are in early phases of commercialization.

Further, the use of ethanol, a form of bio-fuel, for blending with petrol on a limited scale has already been introduced in the country. However, technologies for utilization of other emerging renewable sources of energy like bio-diesel, hydrogen, geothermal energy and tidal energy are presently under different stages of research, development and demonstration in the

An amount of Rs.1500 crores as budgetary support has been proposed by the Ministry of New and Renewable Energy for research and development on various renewable sources of energy during the Eleventh Plan period.

The increasing use of new and renewable sources of energy would reduce our dependence on fossil fuels, reduce emissions of greenhouses gases and ultimately provide energy security to the country.